

**BI-DIRECTIONAL DATA TRANSFER BETWEEN A MOBILE  
PHONE AND A COMPUTING DEVICE**

**ABSTRACT OF THE DISCLOSURE**

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A process for bi-directionally transferring data between a mobile phone and a computing device is provided. According to an exemplary embodiment of the present invention, a user may select between an uploading mode and a downloading mode. If the downloading mode is selected, a first data is firstly  
10 downloaded from the mobile phone to an intermediate device under a first master-slave protocol, where the intermediate device herein acts as a master device under the first master-slave protocol. Thereafter, the first data is further transmitted from the intermediate device to the computing device under a second master-slave protocol, where the intermediate device herein  
15 acts as a slave device under the second master-slave protocol. If the uploading mode is selected, a second data is firstly transmitted from the computing device to the intermediate device under the second master-slave protocol, where the intermediate device herein acts as a slave device under the second master-slave protocol. Then, the second data is uploaded from  
20 the intermediate device to the mobile under the first master-slave protocol, where the intermediate device herein acts as a master device under the first master-slave protocol.

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